

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP 2004/009040

A. CLASSIFICATION OF SUBJECT MATTERInt.Cl⁷ B41J2/045 , B41J2/055

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B41J2/045 , B41J2/055

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2004, Japanese Registered Utility Model Gazette 1994-2004, Japanese Gazette Containing the Utility Model 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1270224 A (TOSHIBA TEC KABUSHIKI KAISHA) 2003.01.02, whole document, Fig 1-9 & US 2003-1912 A & JP 2003-1821 A	1-15
A	JP 2003-175601 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.) 2003.06.24, whole document, Fig 1-12 & US 2003-122888 A	1-15
A	WO 01/21408 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.) 2001.03.29, whole document, Fig 1-11 & JP 2001-158115 A & JP 2002-46270 A & CN 1320081 T & US 6488349 B	1-15
A	JP 2003-175599 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.) 2003.06.24, whole document, Fig 1-16 (Family:none)	1-15



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

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PCT/JP2004/009040**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-301207 A (KONICA CORP.) 2001.10.30, whole document, Fig 1-9 (Family:none)	1-15
A	JP 11-277744 A (SEIKO EPSON CORP.)1999.10.12, whole document, Fig 1-10 (Family:none)	1-15